

ABSTRACT

A noise suppressor for suppressing noise in a source speech signal, where a method utilized by the noise suppressor comprises calculating a signal-to-noise ratio in the source speech signal, calculating a background noise estimate for a current frame of the source speech signal based on said current frame and at least one previous frame and in accordance with the signal-to-noise ratio, wherein the calculating the signal-to-noise ratio is carried out independent from the background noise estimate for the current frame, and subtracting the background noise estimate from the source speech signal to produce a noise-reduced speech signal. The method may also comprise calculating an over-subtraction parameter based on the signal-to-noise ratio, calculating a noise-floor parameter based on the signal-to-noise ratio, wherein the subtracting uses the over-subtraction parameter and the noise-floor parameter to produce the noise-reduced speech signal.